ELSEVIER

23 September 1994

Chemical Physics Letters 227 (1994) 690–700

CHEMICAL PHYSICS LETTERS

Author index to volume 227

Abad, L., D. Bermejo, R. Escribano, V.J. Herrero, J. Santos, I. Tanarro, G.D. Nivellini and L. Ramonat, Stimulated Raman spectra of jet-cooled ethylene 227 (1994) 248
Abritta, T., see L.P. Sosman 227 (1994) 485
Adhikari, S., see P. Sarkar 227 (1994) 187
Adhikari, S.K., see H. Ray 227 (1994) 429
Ågren, H., see J.-H. Guo 227 (1994) 98
Akacem, Y., see E.M. Evleth 227 (1994) 412
Al-Hassan, K.A., The role of α-cyclodextrin cavity size on the fluorescence of 4-diethylaminobenzonitrile aqueous solution 227 (1994) 527
Allonas, X., see P. Jacques 227 (1994) 26
Armenise, I., M. Capitelli, R. Celiberto, G. Colonna, C. Gorse and A. Laganà, The effect of $N+N_2$ collisions on the non-equilibrium vibrational distributions of nitrogen under reentry conditions 227 (1994) 157
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The ground state of CoAr 227 (1994) 277
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The $Co^+ \cdot CO_2$ electrostatic complex: geometry and potential 227 (1994) 623
Ashfold, M.N.R., see S.H.S. Wilson 227 (1994) 456
Ashikhmin, M.V., Yu.E. Belyaev, A.V. Dem'yanenko, E.A. Ryabov and V.S. Letokhov, Laser [2+1] REMPI detection of Br atoms in unimolecular decomposition reactions 227 (1994) 343
Athanassenas, K., see B.A. Collings 227 (1994) 490

Bao, J., see Y. Cui 227 (1994) 567
Barnes, M.D., W.B. Whitten and J.M. Ramsey, Probing femtosecond dynamics in solution on a picosecond time scale. Cavity enhancement of spontaneous emission rates in microdroplets 227 (1994) 628
Baumgärtel, S. and K.-H. Gericke, Nascent state-resolved ClO in reactions and photodissociation processes 227 (1994) 461
Bawagan, A.D.O., see S.J. Desjardins 227 (1994) 519
Bechthold, P.S., see H. Handschuh 227 (1994) 496
Bellert, D., see R.L. Asher 227 (1994) 277, 623
Belyaev, Yu.E., see M.V. Ashikhmin 227 (1994) 343
Berkowitz, M.L., see X. Xia 227 (1994) 561
Bermejo, D., see L. Abad 227 (1994) 248
Bhattacharyya, S.P., see P. Sarkar 227 (1994) 187
Bogomolni, R.A., see H. Tributsch 227 (1994) 74
Bourque, C., see S.M. Mattar 227 (1994) 539
Bowers, M.T., see G. von Helden 227 (1994) 601
Boyd, R.J., see A.A. Korkin 227 (1994) 312

ELSEVIER

23 September 1994

Chemical Physics Letters 227 (1994) 690–700

CHEMICAL PHYSICS LETTERS

Author index to volume 227

Abad, L., D. Bermejo, R. Escribano, V.J. Herrero, J. Santos, I. Tanarro, G.D. Nivellini and L. Ramonat, Stimulated Raman spectra of jet-cooled ethylene 227 (1994) 248
Abritta, T., see L.P. Sosman 227 (1994) 485
Adhikari, S., see P. Sarkar 227 (1994) 187
Adhikari, S.K., see H. Ray 227 (1994) 429
Ågren, H., see J.-H. Guo 227 (1994) 98
Akacem, Y., see E.M. Evleth 227 (1994) 412
Al-Hassan, K.A., The role of α-cyclodextrin cavity size on the fluorescence of 4-diethylaminobenzonitrile aqueous solution 227 (1994) 527
Allonas, X., see P. Jacques 227 (1994) 26
Armenise, I., M. Capitelli, R. Celiberto, G. Colonna, C. Gorse and A. Laganà, The effect of $N+N_2$ collisions on the non-equilibrium vibrational distributions of nitrogen under reentry conditions 227 (1994) 157
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The ground state of CoAr 227 (1994) 277
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The $Co^+ \cdot CO_2$ electrostatic complex: geometry and potential 227 (1994) 623
Ashfold, M.N.R., see S.H.S. Wilson 227 (1994) 456
Ashikhmin, M.V., Yu.E. Belyaev, A.V. Dem'yanenko, E.A. Ryabov and V.S. Letokhov, Laser [2+1] REMPI detection of Br atoms in unimolecular decomposition reactions 227 (1994) 343
Athanassenas, K., see B.A. Collings 227 (1994) 490

Bao, J., see Y. Cui 227 (1994) 567
Barnes, M.D., W.B. Whitten and J.M. Ramsey, Probing femtosecond dynamics in solution on a picosecond time scale. Cavity enhancement of spontaneous emission rates in microdroplets 227 (1994) 628
Baumgärtel, S. and K.-H. Gericke, Nascent state-resolved ClO in reactions and photodissociation processes 227 (1994) 461
Bawagan, A.D.O., see S.J. Desjardins 227 (1994) 519
Bechthold, P.S., see H. Handschuh 227 (1994) 496
Bellert, D., see R.L. Asher 227 (1994) 277, 623
Belyaev, Yu.E., see M.V. Ashikhmin 227 (1994) 343
Berkowitz, M.L., see X. Xia 227 (1994) 561
Bermejo, D., see L. Abad 227 (1994) 248
Bhattacharyya, S.P., see P. Sarkar 227 (1994) 187
Bogomolni, R.A., see H. Tributsch 227 (1994) 74
Bourque, C., see S.M. Mattar 227 (1994) 539
Bowers, M.T., see G. von Helden 227 (1994) 601
Boyd, R.J., see A.A. Korkin 227 (1994) 312

Broo, A. and M.C. Zerner, The emission spectrum of *p*-N,N-dimethylaminobenzonitrile 227 (1994) 551
Brucat, P.J., see R.L. Asher 227 (1994) 277, 623
Bu, Y., S. Liu and X. Song, Ab initio calculation of inner-sphere reorganization energy for the $Fe^{2+}(H_2O)_6/Fe^{3+}(H_2O)_6$ electron transfer system 227 (1994) 121
Burget, D., see P. Jacques 227 (1994) 26
Buthelezi, T., see R.L. Asher 227 (1994) 277, 623

Campbell, E.E.B., see H. Sprang 227 (1994) 91
Canosa-Mas, C.E., see S. Carr 227 (1994) 39
Capitelli, M., see I. Armenise 227 (1994) 157
Carlsen, L., see H. Egsgaard 227 (1994) 33
Carr, S., J.J. Treacy, H.W. Sidebottom, R.K. Connell, C.E. Canosa-Mas, R.P. Wayne and J. Franklin, Kinetics and mechanisms for the reaction of hydroxyl radicals with trifluoroacetic acid under atmospheric conditions 227 (1994) 39
Castleman Jr., A.W., see S. Wei 227 (1994) 305
Celiberto, R., see I. Armenise 227 (1994) 157
Cha, C.-Y., see H. Handschuh 227 (1994) 496
Chekmarev, S.F., A simple gradient method for locating saddles 227 (1994) 354
Chin, S.A., see E. Krotscheck 227 (1994) 143
Chu, S.-I, see J. Wang 227 (1994) 663
Cioslowski, J., Endohedral magnetic shielding in fullerenes. A GIAO CPHF study 227 (1994) 361
Collings, B.A., K. Athanassenas, D.M. Rayner and P.A. Hackett, Optical spectroscopy of Ag_7, Ag_9^+, and Ag_9. A test of the photodepletion method 227 (1994) 490
Colonna, G., see I. Armenise 227 (1994) 157
Colvin, M., see E.M. Evleth 227 (1994) 412
Connell, R.K., see S. Carr 227 (1994) 39
Coronado, E.A., C.A. Rinaldi, G.F. Velardez and J.C. Ferrero, Dependence of the collisional relaxation of highly vibrationally excited polyatomic molecules on the population distribution function 227 (1994) 164
Cui, Y., S. Lin, T. Rong, J. Bao, L. Zheng and C. Liu, Electric conductivity enhancement and laser-induced formation of $(KC_n)^-$ in K^+ ion implanted C_{60} films 227 (1994) 567

Da Costa Jr. , N.B., see A.V.M. de Andrade 227 (1994) 349
Dang, L.X., Free energies for association of Cs^+ to 18-crown-6 in water. A molecular dynamics study including counter ions 227 (1994) 211
Davidson, E.R., see S.J. Desjardins 227 (1994) 519
De Andrade, A.V.M., N.B. da Costa Jr. , A.M. Simas and G.F. De Sá, Sparkle model for the quantum chemical AM1 calculation of europium complexes 227 (1994) 349
Deegan, M.J.O. and P.J. Knowles, Perturbative corrections to account for triple excitations in closed and open shell coupled cluster theories 227 (1994) 321
Dehmer, J.L., see E.F. McCormack 227 (1994) 656
Dehmer, P.M., see E.F. McCormack 227 (1994) 656
De La Riva, C., C. Kryschi and H.P. Trommsdorff, Optical spectroscopic study of the domain structure of triclinic *p*-terphenyl 227 (1994) 13
Dem'yanenko, A.V., see M.V. Ashikhmin 227 (1994) 343
DeRaedt, H., see L. Visscher 227 (1994) 327
De Sá, G.F., see A.V.M. de Andrade 227 (1994) 349

Desjardins, S.J., A.D.O. Bawagan, K.H. Tan, Y. Wang and E.R. Davidson, The interesting photon energy dependence of a correlation peak of ethylene 227 (1994) 519
Dimitrova, Y. and S.D. Peyerimhoff, Theoretical study of the n→π* transitions in hydrogen-bonded formaldehyde complexes 227 (1994) 384
Dixon, R.N., see S.H.S. Wilson 227 (1994) 456
Doll, J.D. and D.L. Freeman, Decisions, decisions: noise and its effects on integral Monte Carlo algorithms 227 (1994) 436
Dougherty, T.P. and E.J. Heilweil, Ultrafast transient infrared absorption studies of $M(CO)_6$ (M=Cr, Mo or W) photoproducts in *n*-hexane solution 227 (1994) 19
Dougherty, T.P., see W.T. Grubbs 227 (1994) 480
Dresselhaus, G., see Y. Shinohara 227 (1994) 365
Dresselhaus, M.S., see Y. Shinohara 227 (1994) 365

Eberhardt, W., see H. Handschuh 227 (1994) 496
Egsgaard, H., L. Carlsen and J.Ø. Madsen, Protonated nitrosamide. An intermediate in a possible ionic DeNO*x* process 227 (1994) 33
Escribano, R., see L. Abad 227 (1994) 248
Evleth, E.M., Y. Akacem and M. Colvin, Comparison of ab initio and AMSOL semiempirical free energies of solvation of third-row species 227 (1994) 412

Fehér, M. and J.P. Maier, The geometric and electronic structures of C_6H and its ions 227 (1994) 371
Ferrero, J.C., see E.A. Coronado 227 (1994) 164
Floris, F.M., M. Persico, A. Tani and J. Tomasi, Hydration shell structure of the calcium ion from simulations with ab initio effective pair potentials 227 (1994) 126
Fouassier, J.P., see P. Jacques 227 (1994) 26
Franklin, J., see S. Carr 227 (1994) 39
Freedman, T.B., L.A. Nafie and D. Yang, Ab initio locally distributed origin gauge calculations of vibrational circular dichroism intensity: formulation and application to (S, S)-oxirane-2,3-$^2H_2$ 227 (1994) 419
Freeman, D.L., see J.D. Doll 227 (1994) 436
Funk, J.-M., see E.J. Liang 227 (1994) 115

Gabuda, S.P., S.G. Kozlova and N.K. Moroz, Anomalous Tl–Tl multicentered exchange interaction of nuclear spins in a quantum confined $[Tl_4Cl]^{3+}$ cluster 227 (1994) 51
Gadea, F.X., Large matrix diagonalization, comparison of various algorithms and a new proposal 227 (1994) 201
Ganteför, G., see H. Handschuh 227 (1994) 496
Geen, H., J.J. Titman, J. Gottwald and H.W. Spiess, Solid-state proton multiple-quantum NMR spectroscopy with fast magic angle spinning 227 (1994) 79
Gericke, K.-H., see S. Baumgärtel 227 (1994) 461
Ghosh, A.S., see H. Ray 227 (1994) 429
Giblin, D.E., see T. Weiske 227 (1994) 87
Gilbert, E.P., J.W. White and T.J. Senden, Evidence for perpendicular *n*-alkane orientation at the liquid/graphite interface 227 (1994) 443
Gleichmann, M.M. and B.A. Heß, Relativistic all-electron ab initio calculations for the ground and excited states of the mercury atom 227 (1994) 229
Goldman, S., see C.G. Joslin 227 (1994) 405

Gorse, C., see I. Armenise 227 (1994) 157
Goto, M., S. Takano, S. Yamamoto, H. Ito and S. Saito, Microwave spectra of the AlO ($X\,^2\Sigma^+$) radical in the $v=1$ and 2 states 227 (1994) 287
Goto, M., see H. Ito 227 (1994) 293
Gotts, N.G., see G. von Helden 227 (1994) 601
Gottwald, J., see H. Geen 227 (1994) 79
Goumri, A., see D. Laakso 227 (1994) 377
Grabowska, A., see K. Kownacki 227 (1994) 270
Gray, C.G., see C.G. Joslin 227 (1994) 405
Grönbeck, H. and A. Rosén, A jellium approach to the chemisorption of molecular oxygen on copper clusters 227 (1994) 149
Gross, M.L., see T. Weiske 227 (1994) 87
Grubbs, W.T., T.P. Dougherty and E.J. Heilweil, Vibrational energy redistribution in $Cp^*Ir(CO)_2$ ($Cp^*=\eta^5$-pentamethylcyclopentadienyl) studied by broadband transient infrared spectroscopy 227 (1994) 480
Gruzdkov, Y.A., K. Watanabe, K. Sawabe and Y. Matsumoto, Photochemical C–H bond activation of methane on a Pt(111) surface 227 (1994) 243
Gubbins, K.E., see O. Kitao 227 (1994) 545
Guo, J., see X. Mao 227 (1994) 65
Guo, J.-H., Y. Luo, O. Vahtras, P. Skytt, N. Wassdahl, H. Ågren and J. Nordgren, Ab initio calculations of X-ray emission from C_{60} 227 (1994) 98

Haarer, D., see L. Kümmerl 227 (1994) 337
Hackett, P.A., see B.A. Collings 227 (1994) 490
Hamaguchi, H., see S. Yamaguchi 227 (1994) 255
Handschuh, H., C.-Y. Cha, H. Möller, P.S. Bechthold, G. Ganteför and W. Eberhardt, Delocalized electronic states in small clusters. Comparison of Na_n, Cu_n, Ag_n, and Au_n clusters 227 (1994) 496
Handy, N.C., see A. Willetts 227 (1994) 194
Harada, K. and T. Tanaka, Near-infrared diode laser absorption spectroscopy of the (2, 0) band of the $A^2\Pi_u$–$X^2\Sigma_g^+$ system of the N_2^+ ion generated in a supersonic jet expansion 227 (1994) 651
Hauser, M.J.B. and R.H. Simoyi, Inhomogeneous precipitation patterns in a chemical wave. Effect of thermocapillary convection 227 (1994) 593
Head-Gordon, T., An efficient solvent model for study of hydrophobic phenomena 227 (1994) 215
Heilweil, E.J., see T.P. Dougherty 227 (1994) 19
Heilweil, E.J., see W.T. Grubbs 227 (1994) 480
Heldt, J., Ch. Ottinger and A.F. Vilesov, Suppression of the collisional quenching of $N_2(A'\,^5\Sigma_g^+)$ by $^{15}N_2$ isotopic substitution 227 (1994) 61
Herman, M., see D. Hurtmans 227 (1994) 588
Herrero, V.J., see L. Abad 227 (1994) 248
Heß, B.A., see M.M. Gleichmann 227 (1994) 229
Horiuchi, H., see J. Li 227 (1994) 572
Howe, J.D., see S.H.S. Wilson 227 (1994) 456
Huang, F.Q., see A.C. Tang 227 (1994) 579
Huang, R.-B., see C.-R. Wang 227 (1994) 103, 109
Hurtmans, D., J. Vander Auwera and M. Herman, The $\nu_1+\nu_3-\nu_3$ hot band of BrNO 227 (1994) 588

Ikemoto, A., see M. Yagi 227 (1994) 261

Ito, H., see M. Goto 227 (1994) 287
Ito, H. and M. Goto, Analysis of an anomalous vibrational dependence of the spin–rotation constants for AlO($X\,^2\Sigma^+$) 227 (1994) 293

Jacques, P., D. Burget, X. Allonas and J.P. Fouassier, Singlet and triplet reactivity of 7-methyl-3-carbethoxy-thioxanthen-9-one (ETX) towards electron donors 227 (1994) 26
James, A.M., G.W. Lemire and P.R.R. Langridge-Smith, Threshold photoionisation spectroscopy of the CuAg molecule 227 (1994) 503
Jastrzębski, W. and P. Kowalczyk, The E $^1\Pi_u$ electronic state of the potassium dimer 227 (1994) 283
Joens, J.A., Comment on "Potential energy surfaces of ozone in its ground state and in the lowest-lying eight excited states" 227 (1994) 688
Joslin, C.G., C.G. Gray and S. Goldman, Infrared rotation and vibration–rotation bands of endohedral fullerene complexes. Helium in C_{60}-derived nanotubes 227 (1994) 405

Kaneshima, T., see M. Yagi 227 (1994) 261
Katheder, I., see L. Limantara 227 (1994) 617
Kennedy, C., see S.M. Mattar 227 (1994) 539
Kiefer, W., see E.J. Liang 227 (1994) 115
Kimura, T., see Y. Shinohara 227 (1994) 365
Kino, N., see J. Li 227 (1994) 572
Kishio, K., see J. Li 227 (1994) 572
Kitao, O. and K.E. Gubbins, Theoretical studies on VPI-5. Origin of the hydrophilicity 227 (1994) 545
Kitazawa, K., see J. Li 227 (1994) 572
Klein, M.L., see U. Röthlisberger 227 (1994) 390
Kliesch, H., see L. Kümmerl 227 (1994) 337
Knowles, P.J., see M.J.O. Deegan 227 (1994) 321
Koplitz, B., see M.G. Mathews 227 (1994) 633
Korkin, A.A., P.v.R. Schleyer and R.J. Boyd, Theoretical study of metastable N_2CO isomers. New candidates for high energy materials? 227 (1994) 312
Kowalczyk, P., see W. Jastrzębski 227 (1994) 283
Kownacki, K., A. Mordzinski, R. Wilbrandt and A. Grabowska, Laser-induced absorption and fluorescence studies of photochromic Schiff bases 227 (1994) 270
Koyama, Y., see L. Limantara 227 (1994) 617
Kozlova, S.G., see S.P. Gabuda 227 (1994) 51
Krotscheck, E. and S.A. Chin, The delocalization of SF_6 in helium clusters 227 (1994) 143
Kryschi, C., see C. de La Riva 227 (1994) 13
Kümmerl, L., H. Kliesch, D. Wöhrle and D. Haarer, Differences of proton tautomerism in substituted porphyrins 227 (1994) 337
Kunkely, H., V. Pawlowski and A. Vogler, Photoluminescence of tetrachloroarsenate(III) 227 (1994) 267

Laakso, D., C.E. Smith, A. Goumri, J.-D.R. Rocha and P. Marshall, Theoretical studies of the RSOO, ROSO, RSO_2 and HOOS (R = H, CH_3) radicals 227 (1994) 377
Laganà, A., see I. Armenise 227 (1994) 157
Langridge-Smith, P.R.R., see A.M. James 227 (1994) 503
Latajka, Z., see P. Pagsberg 227 (1994) 6
Lawrance, W.D., see Mudjijono 227 (1994) 447
Lee, Y.R., see W.B. Tzeng 227 (1994) 467

Legon, A.C. and J.C. Thorn, Can the nonlinearity of hydrogen bonds B...HX be measured precisely? A method from rotational spectroscopy and its application to 2,5-dihydrofuran...HCl 227 (1994) 472
Lemire, G.W., see M.J. McQuaid 227 (1994) 54
Lemire, G.W., see A.M. James 227 (1994) 503
Letokhov, V.S., see M.V. Ashikhmin 227 (1994) 343
Levin, E., D.W. Schwenke, J.R. Stallcop and H. Partridge, Comparison of semi-classical and quantum-mechanical methods for the determination of transport cross sections 227 (1994) 669
Li, J., M. Ozawa, N. Kino, T. Yoshizawa, T. Mitsuki, H. Horiuchi, O. Tachikawa, K. Kishio and K. Kitazawa, Photopolymerized skins of C_{60} crystals 227 (1994) 572
Li, Q.S., see A.C. Tang 227 (1994) 579
Liang, E.J., A. Weippert, J.-M. Funk, A. Materny and W. Kiefer, Experimental observation of surface-enhanced coherent anti-Stokes Raman scattering 227 (1994) 115
Limantara, L., Y. Koyama, I. Katheder and H. Scheer, Transient Raman spectroscopy of ^{15}N-substituted bacteriochlorophyll **a**. An empirical assignment of T_1 Raman lines 227 (1994) 617
Lin, S., see Y. Cui 227 (1994) 567
Lin, S.M., see W.B. Tzeng 227 (1994) 467
Lipp, M.J. and J.J. O'Brien, H_α (Balmer) spectral profiles obtained from H_2 rf plasma discharges studied by intracavity laser spectroscopy 227 (1994) 1
Liu, C., see Y. Cui 227 (1994) 567
Liu, R.Z., see A.C. Tang 227 (1994) 579
Liu, S., see Y. Bu 227 (1994) 121
Liu, Z.-Y., see C.-R. Wang 227 (1994) 103, 109
Luo, Y., see J.-H. Guo 227 (1994) 98

Madsen, J.Ø., see H. Egsgaard 227 (1994) 33
Mahlkow, A., see H. Sprang 227 (1994) 91
Maier, J.P., see M. Fehér 227 (1994) 371
Maitre, P., see G. von Helden 227 (1994) 601
Mao, X., J. Guo and C. Ye, Radiation damping effects on transverse relaxation time measurements 227 (1994) 65
Mao, X. and C. Ye, Phase-shift presaturation in one- and two-dimensional NMR experiments 227 (1994) 645
Marques da Silva, F.C., see H.H.R. Schor 227 (1994) 676
Marshall, P., see D. Laakso 227 (1994) 377
Materny, A., see E.J. Liang 227 (1994) 115
Mathews, M.G., Z. Wang and B. Koplitz, 193+222 nm enhanced photolysis of selectively deuterated 2-chloropropane. A direct investigation of site-specific bond cleavage in the intermediate photofragment(s) 227 (1994) 633
Matsumoto, Y., see Y.A. Gruzdkov 227 (1994) 243
Mattar, S.M., C. Kennedy and C. Bourque, Interpretation of the ^{17}O magnetic inequivalency in $^{14}N^{17}O_2$. A theoretical and MRSD-CI study 227 (1994) 539
McCormack, E.F., S.T. Pratt, P.M. Dehmer and J.L. Dehmer, Observation of hyperfine quantum beats in two-color laser-induced grating spectroscopy of nitric oxide 227 (1994) 656
McDowell, C.A., see T. Nakai 227 (1994) 639
McQuaid, M.J., G.W. Lemire and R.C. Sausa, Bound–bound Ar–NO A–X vibronic transitions. New mass-resolved 1+1 REMPI observations 227 (1994) 54

Mitsuki, T., see J. Li 227 (1994) 572
Mittal, J.P., see H.P. Upadhyaya 227 (1994) 511
Möller, H., see H. Handschuh 227 (1994) 496
Mordzinski, A., see K. Kownacki 227 (1994) 270
Moroz, N.K., see S.P. Gabuda 227 (1994) 51
Mudjijono, and W.D. Lawrance, Do state-to-state propensity rules for vibrational energy transfer remain valid in the intermediate state density region? 227 (1994) 447

Nafie, L.A., see T.B. Freedman 227 (1994) 419
Nagirnyi, V., S. Zazubovich, V. Zepelin, M. Nikl and G.P. Pazzi, A new model for the visible emission of the CsI:Tl crystal 227 (1994) 533
Nakai, T. and C.A. McDowell, Spinning-frequency-dependent linewidths in ^{1}H-decoupled ^{13}C magic-angle spinning NMR spectra 227 (1994) 639
Nieuwpoort, W.C., see L. Visscher 227 (1994) 327
Nikl, M., see V. Nagirnyi 227 (1994) 533
Nivellini, G.D., see L. Abad 227 (1994) 248
Nordgren, J., see J.-H. Guo 227 (1994) 98

O'Brien, J.J., see M.J. Lipp 227 (1994) 1
Ogawa, Y., see H. Shimamori 227 (1994) 609
Ottinger, Ch., see J. Heldt 227 (1994) 61
Ozawa, M., see J. Li 227 (1994) 572

Pagsberg, P., E. Ratajczak, A. Sillesen and Z. Latajka, Kinetics and thermochemistry of the reversible gas phase reaction $HONO + NH_3 \rightleftharpoons H_3N{-}HONO$ studied by infrared diode laser spectroscopy 227 (1994) 6
Partridge, H., see E. Levin 227 (1994) 669
Pavanaja, U.B., see H.P. Upadhyaya 227 (1994) 511
Pawlowski, V., see H. Kunkely 227 (1994) 267
Pazzi, G.P., see V. Nagirnyi 227 (1994) 533
Pereira, A.C., see L.P. Sosman 227 (1994) 485
Persico, M., see F.M. Floris 227 (1994) 126
Peyerimhoff, S.D., see Y. Dimitrova 227 (1994) 384
Plakhutin, B.N., Hartree–Fock states energy spectra for icosahedral open-shell structures with electronic configurations g^N ($N = 1$–7) 227 (1994) 396
Pratt, S.T., see E.F. McCormack 227 (1994) 656
Pyykkö, P. and A.J. Sadlej, Determination of the ^{23}Na nuclear quadrupole moment from molecular data for NaF and NaCl 227 (1994) 221

Rama Rao, K.V.S., see H.P. Upadhyaya 227 (1994) 511
Ramonat, L., see L. Abad 227 (1994) 248
Ramsey, J.M., see M.D. Barnes 227 (1994) 628
Ratajczak, E., see P. Pagsberg 227 (1994) 6
Ray, H., S.K. Adhikari and A.S. Ghosh, The effect of positronium formation in positron–alkali-atom scattering 227 (1994) 429
Rayner, D.M., see B.A. Collings 227 (1994) 490
Reisfeld, R., see Y. Sorek 227 (1994) 235

Rinaldi, C.A., see E.A. Coronado 227 (1994) 164
Rocha, J.-D.R., see D. Laakso 227 (1994) 377
Rong, T., see Y. Cui 227 (1994) 567
Rosén, A., see H. Grönbeck 227 (1994) 149
Rosser, K.N., see S.H.S. Wilson 227 (1994) 456
Röthlisberger, U. and M.L. Klein, The performance of density functional methods for the description of weak interaction potentials. The torsional potential of butane 227 (1994) 390
Ryabov, E.A., see M.V. Ashikhmin 227 (1994) 343

Sadlej, A.J., see P. Pyykkö 227 (1994) 221
Saito, R., see Y. Shinohara 227 (1994) 365
Saito, S., see M. Goto 227 (1994) 287
Santos, J., see L. Abad 227 (1994) 248
Sapre, A.V., see H.P. Upadhyaya 227 (1994) 511
Sarkar, P., S. Adhikari and S.P. Bhattacharyya, The dynamics of a harmonic oscillator with time-dependent force constant and perturbed by weak quartic anharmonicity 227 (1994) 187
Sausa, R.C., see M.J. McQuaid 227 (1994) 54
Sawabe, K., see Y.A. Gruzdkov 227 (1994) 243
Scheer, H., see L. Limantara 227 (1994) 617
Schleyer, P.v.R., see A.A. Korkin 227 (1994) 312
Schor, H.H.R., F.C. Marques da Silva and I.M. Xavier Jr., Control of molecular photodissociation by a resonant chirped pulse 227 (1994) 676
Schwarz, H., see T. Weiske 227 (1994) 87
Schwenke, D.W., see E. Levin 227 (1994) 669
Seki, K., see M. Yagi 227 (1994) 261
Senden, T.J., see E.P. Gilbert 227 (1994) 443
Shimamori, H., T. Sunagawa, Y. Ogawa and Y. Tatsumi, Low-energy electron attachment to C_6F_5X (X = F, Cl, Br and I) 227 (1994) 609
Shinohara, Y., R. Saito, T. Kimura, G. Dresselhaus and M.S. Dresselhaus, Infrared-active modes of C_{70} 227 (1994) 365
Sidebottom, H.W., see S. Carr 227 (1994) 39
Sierraalta, A., Electronic density topology of metal–metal quadruple bond in some Mo complexes 227 (1994) 557
Sillesen, A., see P. Pagsberg 227 (1994) 6
Simas, A.M., see A.V.M. de Andrade 227 (1994) 349
Simoyi, R.H., see M.J.B. Hauser 227 (1994) 593
Simpson, C.J.S.M., see M.L. Turnidge 227 (1994) 45
Simpson, C.J.S.M., see G.J. Wilson 227 (1994) 299
Skytt, P., see J.-H. Guo 227 (1994) 98
Smith, C.E., see D. Laakso 227 (1994) 377
Song, X., see Y. Bu 227 (1994) 121
Sorek, Y., R. Reisfeld and R. Tenne, The microstructure of titanium-modified silica glass waveguides prepared by the sol–gel method 227 (1994) 235
Sosman, L.P., T. Abritta, A.C. Pereira and H. Vargas, Photoacoustic spectroscopy of Co^{2+} in $ZnGa_2O_4$ and $MgGa_2O_4$ 227 (1994) 485
Spiess, H.W., see H. Geen 227 (1994) 79
Sprang, H., A. Mahlkow and E.E.B. Campbell, Collisional energy dependence of He capture by internally excited C_{60} anions 227 (1994) 91

Stallcop, J.R., see E. Levin 227 (1994) 669
Sunagawa, T., see H. Shimamori 227 (1994) 609

Tachikawa, O., see J. Li 227 (1994) 572
Takano, S., see M. Goto 227 (1994) 287
Takemura, K., see M. Yagi 227 (1994) 261
Tan, K.H., see S.J. Desjardins 227 (1994) 519
Tanaka, T., see K. Harada 227 (1994) 651
Tanarro, I., see L. Abad 227 (1994) 248
Tang, A.C., F.Q. Huang, Q.S. Li and R.Z. Liu, Hückel treatment of carbon species with icosahedral symmetry 227 (1994) 579
Tang, J., Tunneling mechanism in electron transfer. A view from the Feynman's path integral approach 227 (1994) 170
Tani, A., see F.M. Floris 227 (1994) 126
Tao, F.-M., An accurate determination of three-body intermolecular forces in the helium trimer 227 (1994) 401
Tatsumi, Y., see H. Shimamori 227 (1994) 609
Tenne, R., see Y. Sorek 227 (1994) 235
Thorn, J.C., see A.C. Legon 227 (1994) 472
Titman, J.J., see H. Geen 227 (1994) 79
Tomasi, J., see F.M. Floris 227 (1994) 126
Traytak, S.D., The role of the diffusive interaction in time-dependent diffusion-limited reactions 227 (1994) 180
Treacy, J.J., see S. Carr 227 (1994) 39
Tributsch, H. and R.A. Bogomolni, Bacteriorhodopsin: A molecular photooscillator? 227 (1994) 74
Trommsdorff, H.P., see C. de La Riva 227 (1994) 13
Turnidge, M.L., G.J. Wilson and C.J.S.M. Simpson, The deactivation of $^{12}C^{16}O(v=1)$ by HD in the gas phase down to 35 K and in liquid D_2 solution 227 (1994) 45
Turnidge, M.L., see G.J. Wilson 227 (1994) 299
Tzeng, W.B., Y.R. Lee and S.M. Lin, Photodissociation of CH_2BrCl at 248 and 193 nm investigated by translational spectroscopy 227 (1994) 467

Upadhyaya, H.P., U.B. Pavanaja, A.V. Sapre, K.V.S. Rama Rao and J.P. Mittal, Chemiluminescent reaction of oxygen atoms with some nitrile compounds 227 (1994) 511

Vahtras, O., see J.-H. Guo 227 (1994) 98
Vander Auwera, J., see D. Hurtmans 227 (1994) 588
Varandas, A.J.C. and A.I. Voronin, Analytical potential energy surfaces for alkali dihalide molecules based on the diatomics-in-molecules formalism. Application to LiF_2 227 (1994) 133
Vargas, H., see L.P. Sosman 227 (1994) 485
Velardez, G.F., see E.A. Coronado 227 (1994) 164
Vilesov, A.F., see J. Heldt 227 (1994) 61
Visscher, L., H. DeRaedt and W.C. Nieuwpoort, A new configuration selection method for configuration interaction calculations 227 (1994) 327
Vogler, A., see H. Kunkely 227 (1994) 267
Von Helden, G., N.G. Gotts, P. Maitre and M.T. Bowers, The structures of small iron–carbon cluster anions. Linear to planar to three-dimensional 227 (1994) 601

Voronin, A.I., see A.J.C. Varandas 227 (1994) 133

Wada, Y., see M. Yagi 227 (1994) 261
Wang, C.-R., R.-B. Huang, Z.-Y. Liu and L.-S. Zheng, Lognormal size distributions of elemental clusters 227 (1994) 103
Wang, C.-R., R.-B. Huang, Z.-Y. Liu and L.-S. Zheng, Statistical size distribution and structural studies of laser generated carbon clusters 227 (1994) 109
Wang, J. and S.-I Chu, Chemical bond hardening and molecular stabilization of D_2^+ in one- and two-color laser fields 227 (1994) 663
Wang, Y., see S.J. Desjardins 227 (1994) 519
Wang, Z., see M.G. Mathews 227 (1994) 633
Wassdahl, N., see J.-H. Guo 227 (1994) 98
Watanabe, K., see Y.A. Gruzdkov 227 (1994) 243
Wayne, R.P., see S. Carr 227 (1994) 39
Wei, S. and A.W. Castleman Jr., Growth pattern of zirconium–carbon clusters. Further evidence for formation of multicage structures 227 (1994) 305
Weippert, A., see E.J. Liang 227 (1994) 115
Weiske, T., H. Schwarz, D.E. Giblin and M.L. Gross, High-energy collisions of $Kr@C_{60}^{+\cdot}$ with helium. Evidence for the formation of $HeKr@C_{60}^{+\cdot}$ 227 (1994) 87
White, J.W., see E.P. Gilbert 227 (1994) 443
Whitten, W.B., see M.D. Barnes 227 (1994) 628
Wilbrandt, R., see K. Kownacki 227 (1994) 270
Willetts, A. and N.C. Handy, Dynamic optimisation of molecular wavefunctions and geometries 227 (1994) 194
Wilson, G.J., see M.L. Turnidge 227 (1994) 45
Wilson, G.J., M.L. Turnidge and C.J.S.M. Simpson, Vibrational energy transfer between $^{12}C^{16}O$ and $^{15}N_2$ in the gas phase down to 45 K and in liquid Ne solution 227 (1994) 299
Wilson, S.H.S., J.D. Howe, K.N. Rosser, M.N.R. Ashfold and R.N. Dixon, A reinvestigation of the near-ultraviolet photodissociation dynamics of the methyl radical 227 (1994) 456
Wöhrle, D., see L. Kümmerl 227 (1994) 337
Wu, G., The dynamics of energy transfer of an SU(3) algebraic vibrational system in the coset space representation 227 (1994) 682
Wysong, I.J., Vibrational relaxation of NO($X\ ^2\Pi$, $v=3$) by NO, O_2 and CH_4 227 (1994) 69

Xavier Jr., I.M., see H.H.R. Schor 227 (1994) 676
Xia, X. and M.L. Berkowitz, Effect of ion–electrode contact on the energetics of the heterogeneous electron transfer 227 (1994) 561

Yagi, M., Y. Wada, K. Takemura, A. Ikemoto, T. Kaneshima and K. Seki, Position-dependent methylation effects on the triplet states of trans-2,2′-bipyridine, metal-free cis-2,2′-bipyridine and zinc(II) complex with 2,2′-bipyridine. A time-resolved EPR study 227 (1994) 261
Yamaguchi, S. and H. Hamaguchi, Ultrafast vibrational relaxation in photogenerated S_1 α-terthiophene in solution by femtosecond time-resolved absorption/emission and picosecond time-resolved Raman spectroscopy 227 (1994) 255
Yamamoto, S., see M. Goto 227 (1994) 287
Yang, D., see T.B. Freedman 227 (1994) 419
Ye, C., see X. Mao 227 (1994) 65, 645

Yoshizawa, T., see J. Li 227 (1994) 572

Zazubovich, S., see V. Nagirnyi 227 (1994) 533
Zepelin, V., see V. Nagirnyi 227 (1994) 533
Zerner, M.C., see A. Broo 227 (1994) 551
Zheng, L., see Y. Cui 227 (1994) 567
Zheng, L.-S., see C.-R. Wang 227 (1994) 103, 109